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Or.



SHAFER'S
TROPICAL
GARDENS

INCORPORATED
P. O. BOX 368
CAPITOLA, CALIFORNIA

SHAFER'S
ORCHIDS

1960

A word about the Cover

Keith and Elinor Shaffer are pictured here beside a bed of *Cymbidium* Seedlings flowering for the first time in the Spring of 1958. It is apparent at first glance that the overall quality of the flowers is extremely high. The desire for excellence is the factor which assures our customers that our seedlings are of the best parentage available.

We, here at Shaffer's, hope you will feel free to stop in at the Nursery whenever you are in our area. Our staff will be most happy to show you the many seedlings and fine mature plants far too numerous to list in this catalog.

On the rear cover is pictured our plant of *Cymbidium* Rosanna 'Pinkie' FCC/RHS.

SHIPPING INSTRUCTIONS

Packing is free of charge for all plants listed here. Prices F. O. B. Santa Cruz, California. In California, add 4% state sales tax.

In order to avoid unnecessary delays and misunderstandings, please specify clearly method of shipment. Otherwise, shipment will be made via Railway Express collect. We recommend that all shipments east of the Mississippi and to foreign countries, be made by Air.

California purchasers will be pleased to learn that their plants will not be delayed for inspection on arrival in any County in California except Ventura, and Tulare Counties, which are not yet in the "Pinto Tag" program. The "Pinto Tag" on your shipment certifies that our greenhouses have been California State inspected and certified clean.

Miltonia Seedlings

The popularity of the PANSY ORCHID has risen greatly in the past few years. This, we feel, is mainly due to the ease of growing in fir bark. The coolest and darkest part of the Cattleya house will suit them nicely.

The following plants are first bulb seedlings and are priced at \$5.00 each, or 1 of each cross (5 plants) for \$22.50.

33—LINGWOOD X LYCEANA 'STAMPERLANDS' FCC/RHS

Solid red crossed with red with white margin.

34—LYNWOOD (LIMELIGHT X H. T. PITT)

Shades of red.

45—LYNWOOD X WOODLANDS 'EBONY'

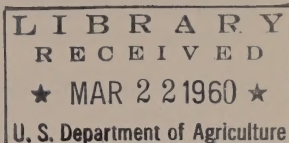
Very fine dark reds should come from this cross.

49—SOLFATARI X WOODLANDS 'EBONY'

Fine yellow crossed on the best red. Could be some unusuals.

51—FIREFLY AM/AOS X WOODLANDS 'EBONY'

Again a fine yellow crossed on Woodlands 'Ebony'.



Stud or Exhibition Cymbidiums

Because of the many requests we receive for lists of Stud or Exhibition Cymbidiums a few of them are listed here. This, however, is by no means a complete list of the many outstanding plants in our collection.

BALKIS 'SILVER ORB' AM/AOS

BABYLON 'CASTLE HILL' FCC/RHS

BALKIS 'LUATH' AM/NSW

ROSANNA 'PINKIE' FCC/RHS

BALKIS 'PATRICIA' AM/NSW

RIO RITA 'RADIANT' FCC/RHS

BALKIS 'PERFECTION'

MAYFAIR 'STONEHURST' FCC/RHS

GIRRAHWEEN 'ENID' FCC/NSW

INDEPENDENCE DAY 'YORKTOWN' AM/AOS

GIRRAHWEEN 'GLORIA' AM/NSW

CYGNUS 'LILLIAN DUNCAN' C/BRONZE

ALEXANDERI 'WESTONBIRT' FCC/RHS

CYGNUS 'OPALESCENCE' HCC/NSW

SEA FOAM 'GREENFIRE' AM/AOS

LOUIS SANDER 'KIRRIBILLE' AM/NSW

SWALLOW 'HEBE' HCC/NSW

GOLDEN TURK 'SANTA CRUZ' HCC/AOS

SWALLOW 'ULTIMA THULE' C/BRONZE

SUSSEX 'LAELIA SASSO' HCC/NSW

FOR OUR FRIENDS OVERSEAS

If dollars are hard to get, we now can accept British Pounds for deposit to our account at the Bank of America, West End Branch, London W., England.



Cymbidium Seedlings

Size	Price per each	Price per 10
6" to 10" leaf length.....	\$2.00.....	\$17.50
12" to 18" leaf length.....	\$3.50.....	\$30.00
1 bulb and growth.....	\$6.00.....	\$55.00
2 bulbs and growths.....	\$10.00.....	\$90.00

IAN STEWART (Alexanderi 'Westonbirt' FCC., RHS. X Claudona 'Raja' FCC., RHS.)

Large flowers mainly in shades of yellow, and a few flush or white. Excellent shape is almost assured, with the outstanding Claudona lip predominating. Sizes 1 bulb and growth. 2 bulbs and growths.

GWEN SHERMAN (Alexanderi 'Westonbirt' FCC. RHS. X Miretta 'Glendessary')

This has been one of our most satisfying crosses. Flowers are very large and colors cover a wide range, including white, blush, yellow, and light green. A top commercial cross. Sizes 1 bulb and growth. 2 bulbs and growths.

ALEXANDERI 'WESTONBIRT' FCC/RHS X INDIO 'TORCH'

Blushes, pinks, and rose should be the results of crossing our deep red Indio on the famous Alexanderi 'Westonbirt'. Plant are vigorous growers, and, on looking at the parentage of Indio, we feel confident of the results. Indio is a cross of Sunrise X Ceres. When Sunrise was crossed with Alexanderi, it produced the colorful Lady Moxhams, and when Ceres was crossed with Alexanderi, Louis Sander was the result. 'Nuff said! Sizes 6" - 10", and 12"-18".

CUMULUS (Dickinson's White X Alexanderi 'Westonbirt' FCC/RHS)

The pod parent is pure white concolor. The flowers are good size, and producing a large percentage of whites. Tall erect spikes with 15 or more flowers on first blooming. 2 bulbs and growths.

INDIO 'TORCH' X BABYLON 'CASTLE HILL' FCC/RHS

Our same fine Indio crossed with the large pink Babylon. Colors should range from pink through rose and red tones. Some really colorful things here to add variety to your collection. Sizes 6"-10" and 12"-18".

REDSTONE (Alexanderi 'Westonbirt' FCC/RHS X Tanager)

Tanager is Louis Sander X Flamingo 'Nobilior', a very fine white. This cross should produce many exceptionally fine whites as well as white flushed with pink. 2 bulbs and growths.

ALEXANDERI 'WESTONBIRT' FCC/RHS X CYZARA 'REMEMBRANCE' AD/NSW

Here we have crossed the deep pink Cyzara on Alexanderi in an attempt for pink flowers for the Valentines Day trade. Cyzara is a cross of Albania X Ceres and tends to flower at our nursery in January. It carries a very erect spike of 12-14 flowers. Size 12"-18".

CHESHAM 'GREEN VALLEY' X BABYLON 'CASTLE HILL' FCC/RHS

Possibilities for a large number of polychrome flowers are excellent in this cross. Chesham is a medium sized light green flower of heavy substance. Crossed with Babylon, there should be some real unusuals. Size 12"-18".

ALRITA Alexanderi 'Westonbirt' FCC/RHS X Rio Rita 'Radiant' FCC/RHS)

This we feel is one of the most promising crosses we have to offer. Rio Rita is a very fine shaped rose pink with from 22-28 flowers on a long graceful spike. Seedlings are wonderful growers. Colors will range from blush through all shades of pink. Should be some real bell ringers here. Size 12"-18".

Cymbidium Seedlings

MAYFAIR X BABYLON 'CARPENTIER'S'

Mayfair is a deep red. In combination with the well known Babylon 'Carpentiers' there will be a high percentage of deep rose blooms on tall spikes of 20 flowers or more. Sizes 6"-10", 12"-18".



SEEDLINGS FLOWERING IN BEDS

GRACE MITCHELL (Alexanderi 'Westonbirt' FCC/RHS X Apollo 'Exbury' FCC/RHS)

Apollo is being used quite extensively in modern Cymbidium breeding because of the fine shape imparted in its progeny. When crossed with Alexanderi, colors range mainly in shades of yellow with a few blushes and whites. A Grace Mitchell seedling flowering for the first time in 1959 is the fine yellow shown on the right hand side of our cover picture. Sizes 6"-10", 12"-18".

ALEXANDERI 'WESTONBIRT' FCC/RHS X SELF

The most widely used and successful Tetraploid Cymbidium of all time has been selfed in an attempt to produce Tetraploid seedlings which could become even more successful as breeders than their famous parent. Many will probably be fuller flowers than 'Westonbirt'. Size 6"-10".

FANTASIA (Susette X Babylon 'Castle Hill' FCC/RHS)

Will be lots of color in this cross. Susette is a deep pink and when crossed with the Tetraploid Babylon it will produce vigorous plants with heavy spikes of rich pink and rose blooms. Should be a very free bloomer. Size 12"-18".

APOLLO 'EXBURY' FCC/RHS X BABYLON 'CASTLE HILL' FCC/RHS

Yellows, Pinks, and unusuals with some of the most outstanding lips ever seen should be produced in the mating of these two well-known parents. Terrific spikes with many flowers of large size. Sizes 6"-10", 12"-18".

ROSANNA 'PINKIE' HYBRIDS

Size	Price each	Price Per 10
6" - 10" leaf length.....	\$3.50.....	\$30.00
12" - 18" leaf length.....	\$5.00.....	\$45.00

APOLLO 'EXBURY' RHS/FCC X ROSANNA 'PINKIE' RHS/FCC

This could prove to be the best cross here. Apollo 'Exbury' has recently been used more and more and imparts to its seedling that deep red lip that is so outstanding. With Rosanna 'Pinkie' as the pollen parent we should have extra fine shape too. Expect white, very light greens and some flush pinks, Size 6" - 10".

CONINGSBYANUM 'EXBURY' X ROSANNA 'PINKIE' RHS/FCC

When Coningsbyanum was used with Alexanderi 'Westonbirt' RHS., FCC., Cygnus was produced. Cygnus seedlings have received 16 awards since 1951. Now we have it crossed with Rosanna 'Pinkie' and feel that the seedlings will be even better. Expect whites and blush pinks. Size 6" - 10".

CHIRBROOK 'MALIBU' X ROSANNA 'PINKIE' RHS/FCC

The Chirbrook used here was a buff pink with good flower production. Used with Rosanna 'Pinkie', we should get a great many fine blush pink with some whites. Shape and substance should be good. Size 6"-10", 12"-18".



Phalaenopsis Seedlings

Leaf Span	Price Per Each	Price Per 10
3"-4"	\$2.50	\$22.50
5"-6"	\$4.00	\$35.00
7"-8"	\$6.00	\$55.00

EXHIBITION WHITES

Here, we feel are some of the most outstanding crosses being offered anywhere. All should produce a multitude of large, heavy substantiated white flowers.

Quality is no accident—Award flowers are the result of planned breeding.

58-18—GRACE PALM

This is a remake of perhaps the most famous Phalaenopsis of all time. The large heavy flowers make it an outstanding commercial as well as show flower.

Here we have crossed Doris 'Jean' with Winged Victory 'Purity', which is the finest Winged Victory we have ever seen, bar none. Size 3"-4".

58-10—DOS PUEBLOS

Crossing Doris back onto Grace Palm tends to bring out more of the well-known Doris shape while still maintaining the vigor of the Winged Victory grandparent. In this instance we used Grace Palm 'Gigantic', a 5½" flower, with our Doris 'Jean'. This Grace Palm is the most vigorous plant in our collection with sprays up to 5 feet long. Should be some real show pieces here. Size 3"-4".

57-30—DOS PUEBLOS

Not quite as large as the above cross, but likely to be a little heavier. In this we used Grace Palm 'Shadycress' with Doris 'Capitola'. Flowers will be long lasting. A really fine commercial cross. Size 3"-4".

58-9—JUANITA 'SNOWBALL' X DORIS 'JEAN'

Two of the world's finest hybrids mated for even further improvements. Doris, of course, needs no description. Juanita is a Shaffer introduction which caused quite a sensation during the Spring of 1958 when one of these won honors as the best American bred orchid at the Western Orchid Congress. Quite a number of these seedlings are being grown here for our own cut flower and exhibition purposes, and we are so confident in its results that the cross has already been remade. Size 3"-4".

57-31—CHIEF TUCKER NO. 2 X DORIS

Chief Tucker has proven to be a very good parent here at Shaffer's. It was one of the parents of both Juanita and Dolores. Now, we have mated it with a very fine Doris in search of even finer things. Size 3"-4".

57-33—DORIS

Two of our finest Dorises crossed here in search of even finer breeding stock. Both parents were 4½" flowers of heavy substance and excellent shape. Plants are a little slower growing than some, but will be worth the extra time and care. Size 3"-4".

193—GRACE PALM

A remake of Grace Palm using the same Winged Victory 'Cobra' that we used in our very successful cross No. 60. Here we have used a very superior Doris to the one used in No. 60. Will be some very fine flowers here. Size 3"-4", 5"-6".

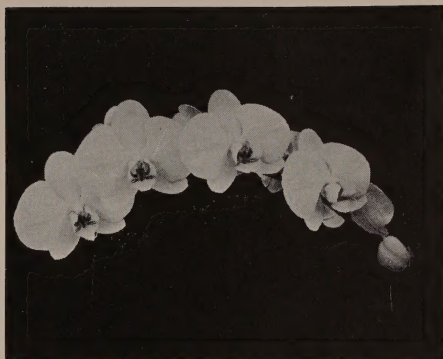
229—HOLLYWOOD (Tommy Tucker 'Monarch' AM/AOS, SC/ODC X Grace Palm 'Santa Cruz' AM/AOS, SC/ODC

This will be a very beautiful white. Both parents were awarded by the American Orchid Society and the Orchid Digest Corporation. Should produce long, arching sprays of overlapping white flowers, 4½" to 5" across. Size 3"-4", 5"-6".

Phalaenopsis

Seedlings

PINKS



JUANITA 'SNOWBALL' HCC/ODC, HCC/AOS

58-3—ELISA (Grace Palm 'Gigantic' X Aalsmeer Rose 'Bleeding Heart')

The mating of our largest white with the deepest rose in our collection should produce some of the finest large pinks to date. Grace Palm 'Gigantic' carries a spike of from 20-24 flowers up to 5½" across. In any cross of this type we would suggest raising more than 1 or 2 to select the really fine ones. Sizes 3"-4", 5"-6", 7"-8".

58-2—RAYCRAFT (Aalsmeer Rose 'Bleeding Heart' X Doris)

Here we have used the same deep Aalsmeer Rose as in the above cross, but have used a fine Doris as the other parent. This cross may prove to be the finer of the two in shape, but probably will be a little smaller. Size 3"-4".

Unusuals

147—Francisca (Grace Palm X Rosea)

White sepals and petals with lips ranging from pink to deep red. Flowers will be from 2"-2½" across and of much better shape and substance than Sally Lowrey. Sizes 3"-4", 5"-6".

57-41—Amabilis X Stuartiana

Cross made in Formosa with two species. Lower sepals should be spotted. Substance will probably be only fair. Lots of flowers. Sizes 3'-4", 5"-6".

58-85 Golden Louis (Doris X Mannii)

We have been fortunate in being able to remake this new yellow Phalaenopsis, and in getting enough seedlings to make a general offering. Flowers are from 3"-3½" across with a somewhat starry shape. Color is a pleasing soft yellow. Don't delay as they are going to go fast.

Leaf span of plants, 2½" - 3½" — \$5.00 each or 5 for \$22.50



Cattleya Hybrid Seedlings

Pot Size	Price
1½"	2.00
2 "	3.00
3 "	5.00
3½"	7.50

BLC. MOLFLORA X LC. MOLLY TYLER FCC/AOS

Blc. Molflora is a cross of Bc. Florence X Lc. Molly Tyler. Here Molly Tyler is bred back onto Molflora in an attempt for more flowers and even more brilliant color. Sizes 3" and 3½".

LC. MOLLY TYLER FCC/AOS X LC. CAMOLTY

Here, again, we have line breeding with Molly Tyler. Flowers should be medium size of intense color and fine shape. Sizes 3" and 3½".

C. EMPRESS BELLS (C. BOW BELLS X C. EDITHIAE 'WHITE EMPRESS' FCC/RHS)

This cross needs no description. Flowers are large pure white with excellent shape and substance. Many fine award plants will result. Size 3".

C. EMPRESS BELLS X C. BOB BETTS

As in most fine white crosses today, C. Bow Bells is the dominating force in this hybrid. C. Empress Bells and C. Bob Betts are both one-half Bow Bells. Sizes 3" and 3½".

LC.MORNING STAR X LC. POTENTATE

Lc Potentate is a cross of Lc. Derrynane X Lc. Princess Ishtar. Shape should be excellent and many should flower in the summer season when flowers are so scarce. Color will be medium to dark lavender with fine contrasting lip. Sizes 3" and 3½".

C. SCINTILLATION X C. BOB BETTS

Another superb white. Both parents are well-known Bow Bells hybrids. These seedlings are exceptionally good growers. If you are looking for good whites, don't pass this cross. Size 3".

C. REMBRANDT X BLC. KANOA

C. Rembrandt produces a spike of tremendous size. It carries a spray of from 6-10 flowers 18" above the foliage. Progeny of this cross will be of medium lavender with brilliant lips. We only have a few of these as C Rembrandt does not give a large amount of viable seed. Size 1½" and 2".

LC. ORANGE GEM 'DELIGHT' X SLC. ANZAC 'ORCHIDHURST' FCC/RHS

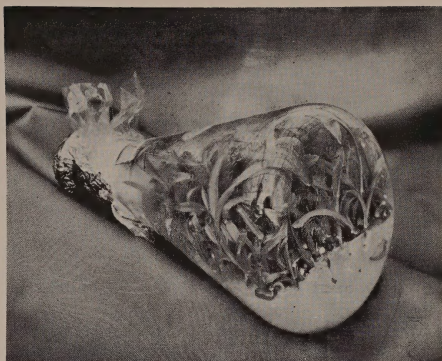
Colors ranging from orange through deep red. Good Sophros are hard to find, but we believe this has good possibilities. Sizes 1½" and 2"

C. IRIS X C. BICOLOR

The bicolor used here was a chocolate brown. Many unusual and exciting colors and combinations will be seen here. Size 1½".

Cymbidium Flasks 500cc

The following flasks are ready for Spring delivery. They contain from 75-100 strong seedlings. Here are the Award winners of the future. Delivery guaranteed.



500cc FLASK CYMBIDIUM SEEDLINGS

- 58-22—ROSANNA 'PINKIE' FCC/RHS X SPARTAN QUEEN 'MRS. IRELAND'
- 58-23—ROSANNA 'PINKIE' FCC/RHS X SELF
- 58-26—BALKIS 'LUATH' AM/NSW X MIRETTA 'GLENDESSARY' C/BRONZE
- 58-27—HEATHROW 'MARY BEA' X ROSANNA 'PINKIE' FCC/RHS
- 58-29—RIO RITA 'RADIANT' FCC/RHS X ROSANNA 'PINKIE' FCC/RHS
- 58-30—NICKY NO. 23 X ROSANNA 'PINKIE' FCC/RHS
- 58-33—DORIS AUREA 'F. J. NOONAN' X ROSANNA 'PINKIE' FCC/RHS
- 58-34—ROYAL DUKE (ROSANNA 'PINKIE' FCC/RHS X PEARL 'MAG' FCC/RHS)
- 58-36—HEATHROW 'MARY BEA' X BALKIS 'LUATH' AM/NSW
- 58-42—RIO RITA 'RADIANT' FCC/RHS X BALKIS 'SILVER ORB' AM/AOS
- 58-43—HEATHROW 'MARY BEA' BALKIS 'SILVER ORB' AM/AOS
- 58-45—BALKIS 'LUATH' AM/NSW X BALKIS 'SILVER ORB' AM/AOS
- 58-49—BALKIS 'SILVER ORB' AM/AOS X APOLLO 'EXBURY' FCC/RHS
- 58-50—JOAN OF ARC (ALEXANDERI 'WESTONBIRT' FCC/RHS X BALKIS 'SILVER ORB' AM/AOS)
- 58-58—NICKY NO. 23 X BALKIS 'SILVER ORB' AM/AOS
- 58-77—GWEN SHERMAN (MIRETTA 'GLENDESSARY' C/BRONZE X ALEXANDERI 'WESTONBIRT' FCC/RHS)
- 58-89—ANN GREEN (BABYLON 'CASTLE HILL' FCC/RHS X ROSANNA 'PINKIE' FCC/RHS)
- 58-134—RIO PERFECTION X BALKIS 'SILVER ORB' AM/AOS
- 58-135—CONINGSBYANUM 'BROCKHURST' AM/RHS X BALKIS 'SILVER ORB' AM/AOS
- 58-139—SPARTAN QUEEN 'MRS. IRELAND' X BALKIS 'SILVER ORB' AM/AOS

Phalaenopsis Flasks 500cc

WHITES

- 58-9—JUANITA 'SNOWBALL' X DORIS 'JEAN'
- 59-7—GRACE PALM (DORIS 'JEAN' X WINGED VICTORY 'ADMIRAL')
- 59-9—JUANITA 'SNOWBALL' X JUANITA 'SATIN'

PINKS

- 59-31—(RUBY X BESS WELLS) X AALSMEER ROSE

\$35.00 PER FLASK

3 FLASKS FOR \$100.00

Vanda Seedlings

THESE PLANTS ARE IN 5" POTS AND
ARE PRICED AT \$12.50 EACH

As most collectors are interested only in large well-shaped flowers, we are listing only those hybrids with *Sanderiana* as the primary parent on one side.



MABELMAE KAMAHELE (OHUOHU X SANDERIANA)

Similar to *Sanderiana*

AFTERGLOW (INSIGNIS X SANDERIANA)

Brown to red. Good shape.

ROTHSCHIDIANA (COERULEAU X SANDERIANA)

Still the best of the blues.

NELLIE MORLEY (EMMA VAN DEVENTER X SANDERIANA)

World famous pink semi-terete.

KOHALA (CAROLE HIRANO X SANDERIANA)

Pink to blue.

OHUOHU (C. S. FISHER X SANDERIANA)

Much like *Sanderiana*.

ERNEST FUJINAGA (CAROLINE ROBINSON X SANDERIANA)

Blue and greenish shades.

OP SISANDA JULIET KIMBALL (VANDOPSIS GIGANTEA X V. SANDERIANA)

Yellow to cream.

OPPORTUNITY!

We are dividing our large plants of **Alexanderi 'Westonbirt' FCC/RHS** and are offering strong green bulbs with developing growths at only \$35.00 per division. Back bulbs are priced at \$20.00 each. Here is your chance to own the most famous *Cymbidium* of all time at a remarkably low price.

DENDROBIUM PHALAENOPSIS

Dark, well-shaped flowers on long sprays.

3" pot size to flower on this year's growth

\$5.00 Each

Orchid Spoonit

FOR ORCHIDS IN FIR BARK



ORCHID SPOONIT (30-10-10, PLUS CHELATED IRON)

A highly concentrated, soluble fertilizer for Orchids growing in Bark. Nitrogen is in three forms . . . Nitrate (3%) and Ammoniac (3%), and Organic Nitrogen (24%) to assure long-lasting effect. Phosphoric Acid (10%) is in a completely soluble form, as is also potash. Potash (10%) is derived from Nitrate of Potash and is in a form that will assure a low Chlorine level. CHELATED IRON is in a form that will assure soluble iron regardless of pH of water supply.

ORCHID SPOONIT is quickly and completely soluble and is to be used only in solution . . . NOT IN DRY FORM. Use at rate of one teaspoonful to a gallon of water, or two cupfuls in 100 gallons of water EVERY 15 DAYS.

QUANTITY	PRICE	SALES TAX (Calif. only)	SHIPPING WEIGHT (For Postage)
1 lb.	\$1.25	.05	2 lbs.
2½ lb.	2.50	.10	3 lbs.
10 lbs.	8.00	.32	13 lbs.
25 lbs.	16.00	.64	27 lbs.

PLEASE ADD POSTAGE TO ORDER

HYDROMIX *Automatic Fertilizer*



The new invention that does Fertilizing Chores Automatically!

Here's the sensational new aid that has revolutionized Fertilizing. The HYDROMIX AUTOMATIC FERTILIZER attaches to ANY faucet, hose or sprinkler system in one simple, 30 second operation. Then all you do is let this amazing invention handle your Fertilizing chores for you safely, quickly, **Automatically**. Made from strong, durable plastic and reinforced with a brass hose connector —the HYDROMIX AUTOMATIC FERTILIZER is especially designed for use with soluble orchid fertilizers. It mixes scientifically and accurately one part of concentrated chemicals to 100 parts of water — under any average water pressure—without danger of feedback.

The HYDROMIX AUTOMATIC FERTILIZER works with any hose nozzle, sprinkler or plastic soaker and may be attached at the house water faucet, between lengths of hose or at the end of the hose. When used with HYDROMIX insecticides it's practically as good as a power sprayer.

HYDROMIX AUTOMATIC FERTILIZER—\$3.95 each

CALIFORNIA FIR BARK—Two cubic foot sacks \$2.00 F.O.B. Santa Cruz

SHIPPING WEIGHT 45 LBS.

SHAFER'S

TROPICAL GARDENS, INC.

1220 41st Avenue Santa Cruz, California

Mailing Address

P. O. Box 368

Capitola, California



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